

Table 1: Significance table.

	Events <sub><i>a</i></sub> <i>fter<sub>a</sub>lphat<sub>a</sub>nd<sub>P</sub>FSL<sub>cuts</sub></i>	Events <sub><i>a</i></sub> <i>fter<sub>a</sub>lphat<sub>a</sub>nd<sub>S</sub>L<sub>cuts</sub></i>	Events <sub><i>a</i></sub> <i>fter<sub>a</sub>lphat<sub>r<sub>e</sub>a</sub>nd<sub>P</sub>FSL<sub>cuts</sub></i>	Events <sub><i>a</i></sub> <i>fter<sub>a</sub>lphat<sub>r<sub>e</sub>a</sub>nd<sub>S</sub>L<sub>cuts</sub></i>
QCD <sub><i>Pt</i>15</sub>	1.415e+04 +- 1.415e+04	4.245e+04 +- 2.451e+04	0 +- 0	4.245e+04 +- 2.451e+04
QCD <sub><i>Pt</i>30</sub>	1146 +- 1146	1146 +- 1146	0 +- 0	1146 +- 1146
QCD <sub><i>Pt</i>80</sub>	288 +- 91.08	201.6 +- 76.2	0 +- 0	172.8 +- 70.55
QCD <sub><i>Pt</i>170</sub>	68.43 +- 7.422	31.4 +- 5.028	7.246 +- 2.415	24.15 +- 4.41
QCD <sub><i>Pt</i>300</sub>	8.111 +- 0.5571	0.5357 +- 0.1432	1.99 +- 0.2759	0.3826 +- 0.121
QCD <sub><i>Pt</i>470</sub>	1.63 +- 0.08148	0.004074 +- 0.004074	0.5174 +- 0.04591	0.004074 +- 0.004074
QCD <sub><i>Pt</i>800</sub>	0.09639 +- 0.003108	0 +- 0	0.03056 +- 0.00175	0 +- 0
QCD <sub><i>Pt</i>1400</sub>	0.0008752 +- 2.957e-05	0 +- 0	0.0003187 +- 1.784e-05	0 +- 0
TTbar <sub><i>t</i>emp</sub>	171.7 +- 1.788	136.4 +- 1.594	43.96 +- 0.9045	104.1 +- 1.392
WJets <sub><i>t</i>emp</sub>	708.8 +- 85.32	1161 +- 109.2	123.3 +- 35.58	1089 +- 105.8
ZJets <sub><i>t</i>emp</sub>	13 +- 1.625	23.76 +- 2.197	1.828 +- 0.6093	22.34 +- 2.13
ww <sub><i>p</i>at<sub>1</sub></sub>	16.85 +- 4.674	12.96 +- 4.099	1.296 +- 1.296	12.96 +- 4.099
wz <sub><i>p</i>at<sub>1</sub></sub>	9.167 +- 1.596	11.11 +- 1.757	0.5556 +- 0.3928	10.56 +- 1.712
zz <sub><i>p</i>at<sub>1</sub></sub>	4.598 +- 1.003	5.036 +- 1.05	0.4379 +- 0.3096	4.598 +- 1.003
LM0 <sub><i>t</i>emp</sub>	188.4 +- 1.656	151.9 +- 1.487	60.68 +- 0.9397	111 +- 1.271
Significancy	1.463	0.7148	4.509	0.5228
QCD Significancy	1.505	0.7258	19.4	0.5302